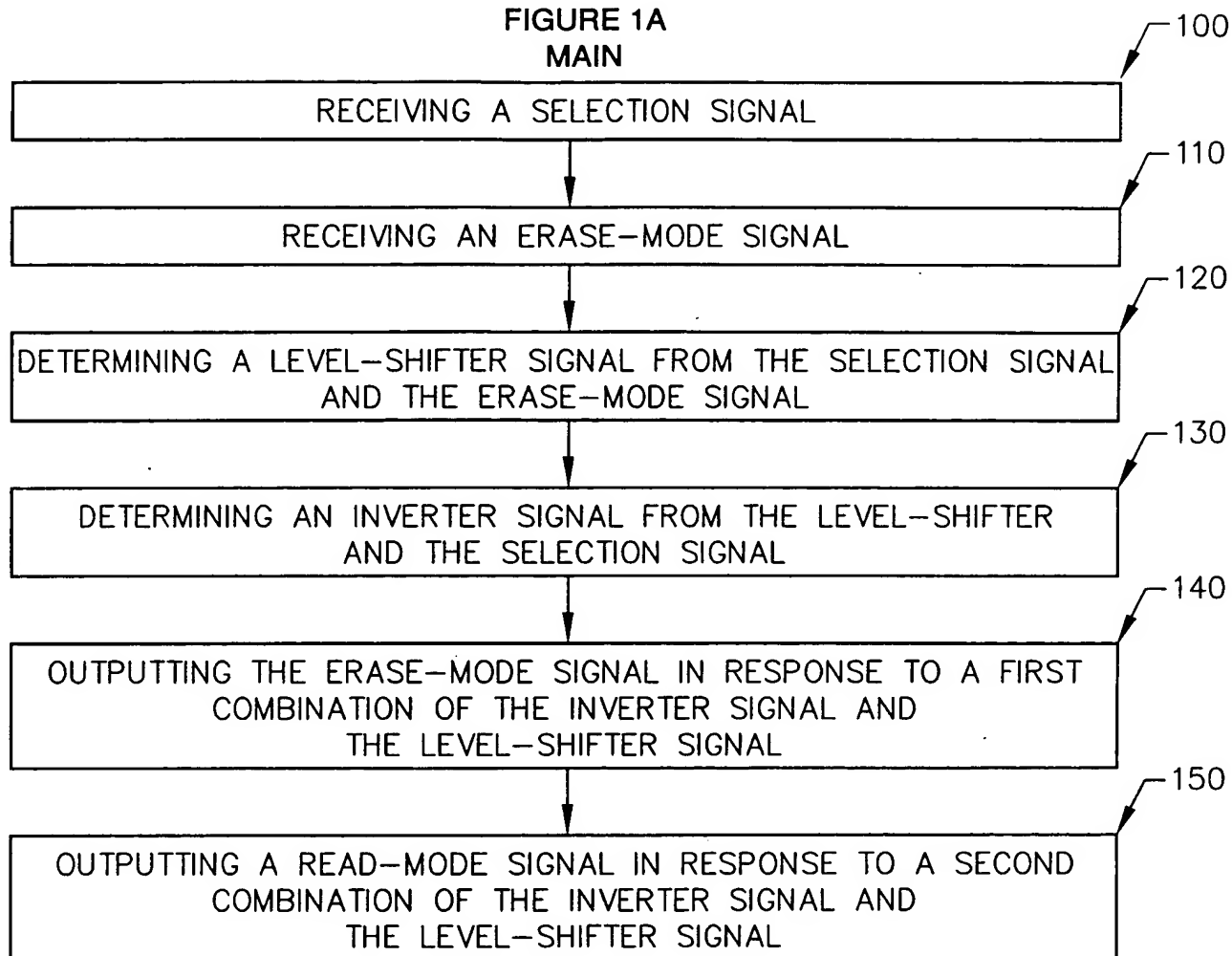




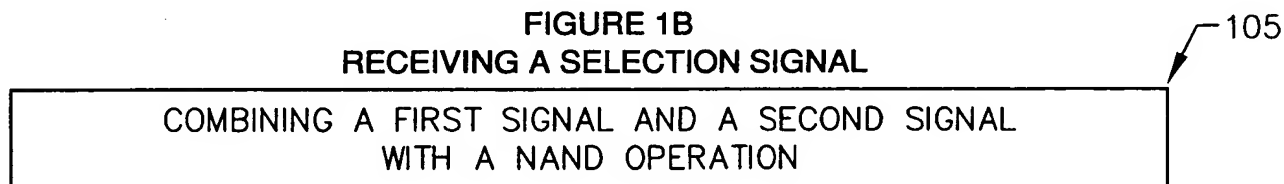
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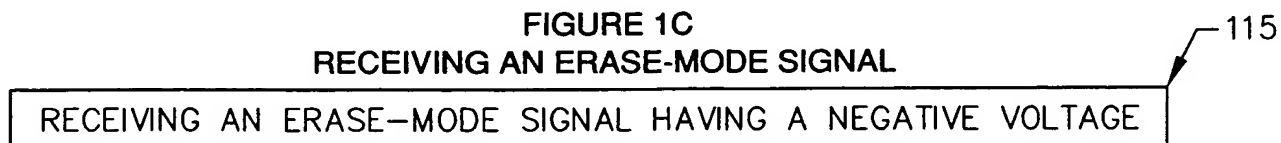
**FIGURE 1A**  
**MAIN**



**FIGURE 1B**  
**RECEIVING A SELECTION SIGNAL**



**FIGURE 1C**  
**RECEIVING AN ERASE-MODE SIGNAL**





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**FIGURE 1D**  
**DETERMINING A LEVEL-SHIFTER SIGNAL FROM THE SELECTION**  
**SIGNAL AND THE ERASE-MODE SIGNAL**

PULLING UP A VOLTAGE FROM A NEGATIVE ERASE-MODE VOLTAGE

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**FIGURE 1E**  
**DETERMINING AN INVERTER SIGNAL FROM THE LEVEL-SHIFTER SIGNAL**  
**AND THE SELECTION SIGNAL**

CHOOSING BETWEEN THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

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**FIGURE 1F**  
**OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A FIRST**  
**COMBINATION OF THE INVERTER SIGNAL AND**  
**THE LEVEL-SHIFTER SIGNAL**

OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A POSITIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

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**FIGURE 1G**  
**OUTPUTTING A READ-MODE SIGNAL IN RESPONSE TO A SECOND**  
**COMBINATION OF THE INVERTER SIGNAL AND**  
**THE LEVEL-SHIFTER SIGNAL**

OUTPUTTING THE READ-MODE SIGNAL IN RESPONSE TO A NEGATIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

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FIGURE 2A  
MAIN

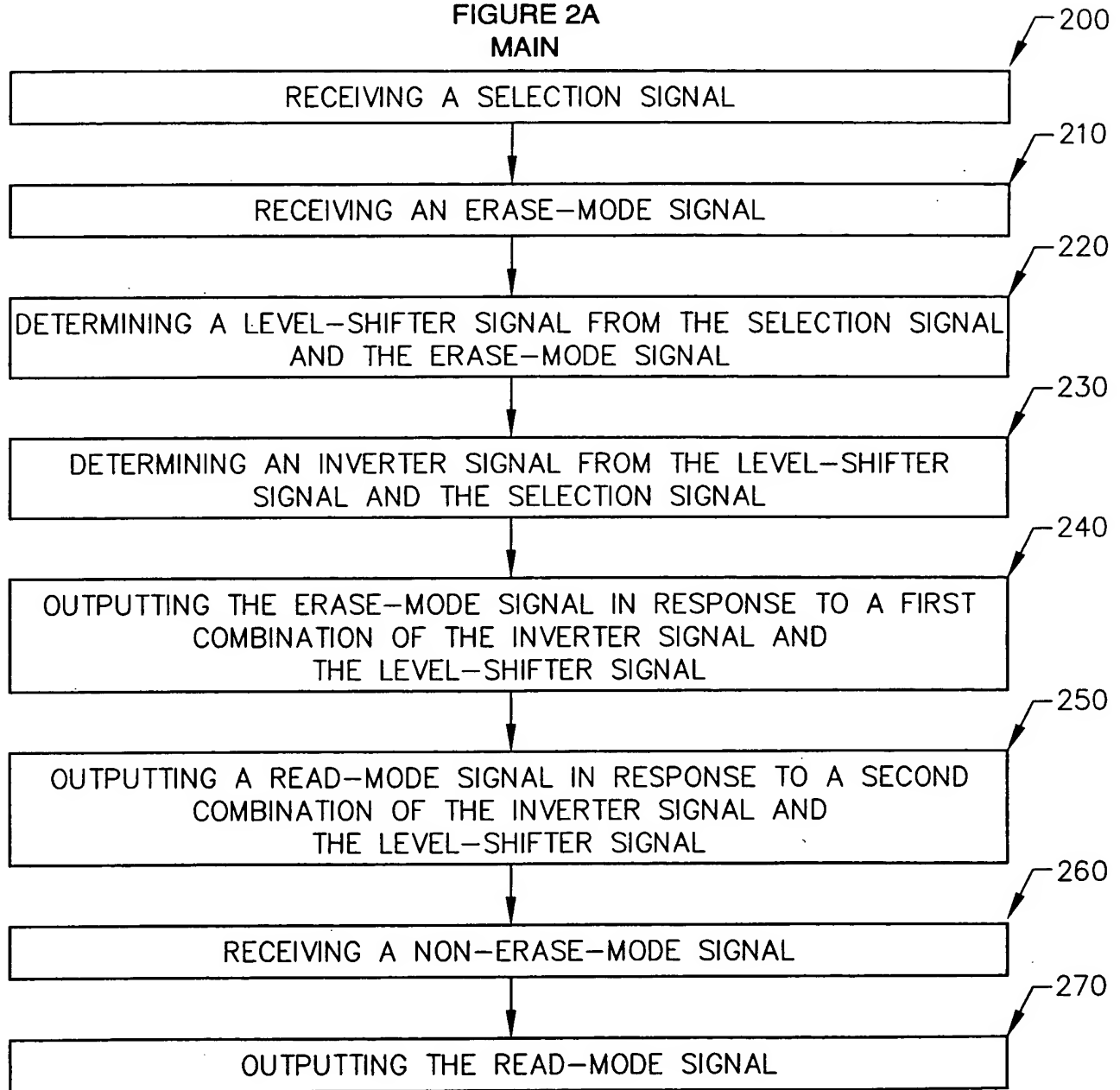
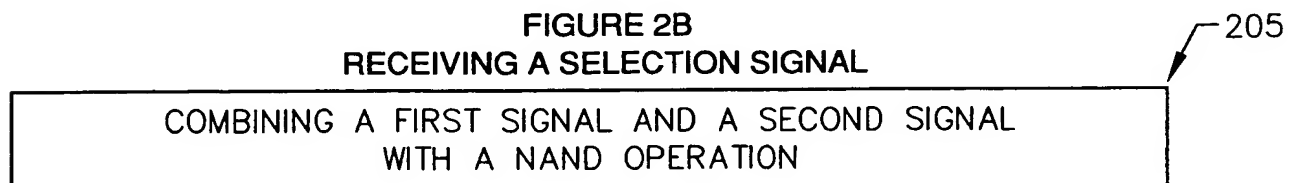


FIGURE 2B  
RECEIVING A SELECTION SIGNAL





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FIGURE 2C  
RECEIVING AN ERASE-MODE SIGNAL

RECEIVING AN ERASE-MODE SIGNAL HAVING A NEGATIVE VOLTAGE

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FIGURE 2D  
DETERMINING A LEVEL-SHIFTER SIGNAL FROM THE SELECTION SIGNAL  
AND THE ERASE-MODE SIGNAL

PULLING UP A VOLTAGE FROM A NEGATIVE ERASE-MODE VOLTAGE

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FIGURE 2E  
DETERMINING AN INVERTER SIGNAL FROM THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

CHOOSING BETWEEN THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

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FIGURE 2F  
OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A FIRST  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A POSITIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

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FIGURE 2G  
OUTPUTTING A READ-MODE SIGNAL IN RESPONSE TO A SECOND  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

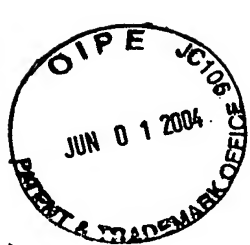
OUTPUTTING THE READ-MODE SIGNAL IN RESPONSE TO A NEGATIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

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FIGURE 2H  
OUTPUTTING THE READ-MODE SIGNAL

SUPPLYING A LOW IMPEDANCE, LOW VOLTAGE CURRENT

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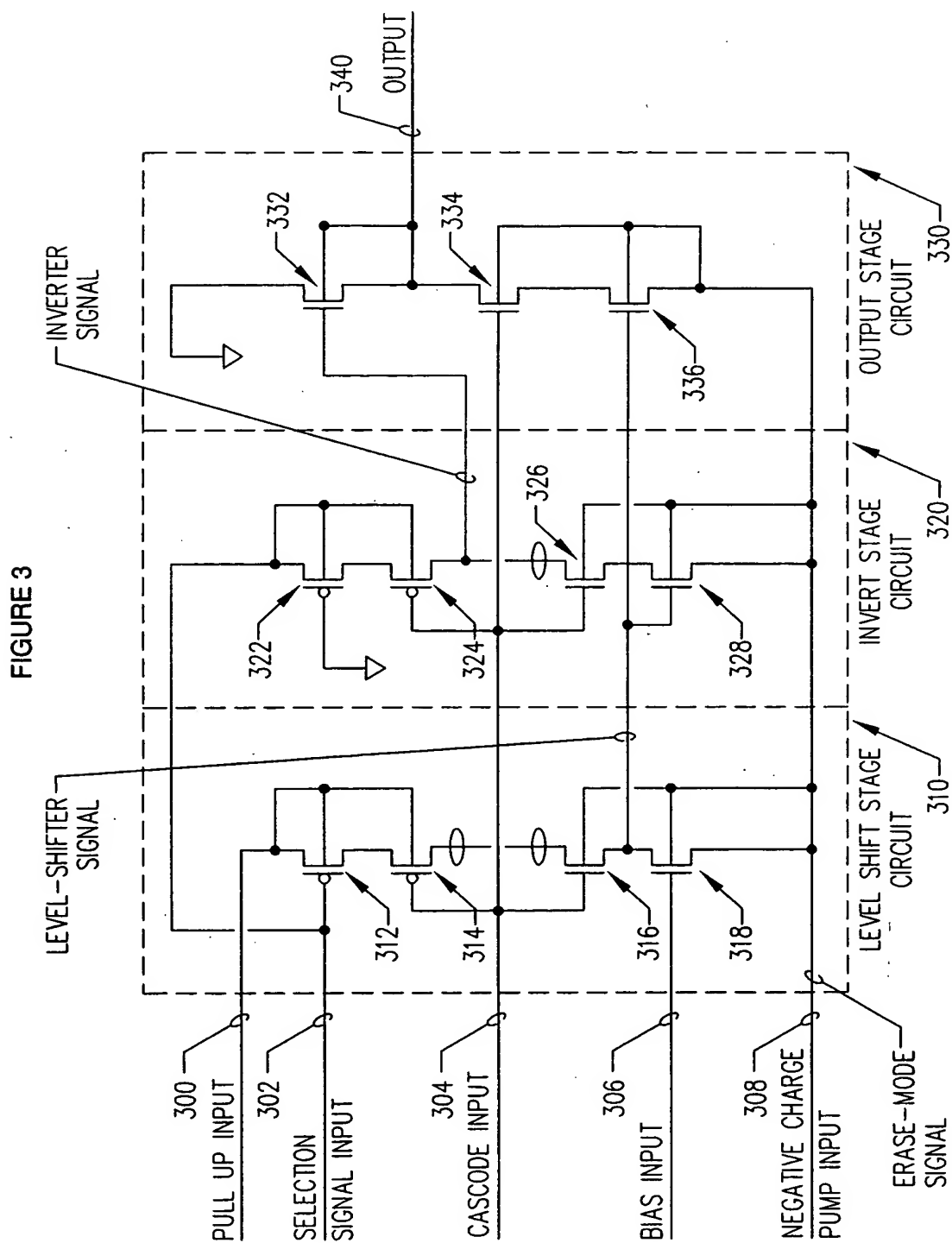


FIGURE 4

